

AEGIS

INTELLIGENT-IR™

AEGIS UFLED, the world's first Intelligent-IR™ illuminator combines innovations in technology and design to deliver absolute performance in night vision surveillance.

Constant Light™ (patent pending) technology compensates for LED degradation, a natural occurrence with all other LED based illuminators to deliver a constant level of lighting performance throughout the life of the illuminator.

Powered by award-winning Black Diamond™ IR, AEGIS UFLED delivers High-Fidelity™ Even-Illumination which lights the foreground and background of the scene eliminating hotspots and underexposure.

IP67 rated AEGIS UFLED features a 12VDC / 24 VAC power circuit built into the illuminator to allow direct powering of the unit without the need for a separate PSU.

High power SMT LED's and an industry leading 5 year warranty means AEGIS UFLED delivers guaranteed long life and unrivalled performance.

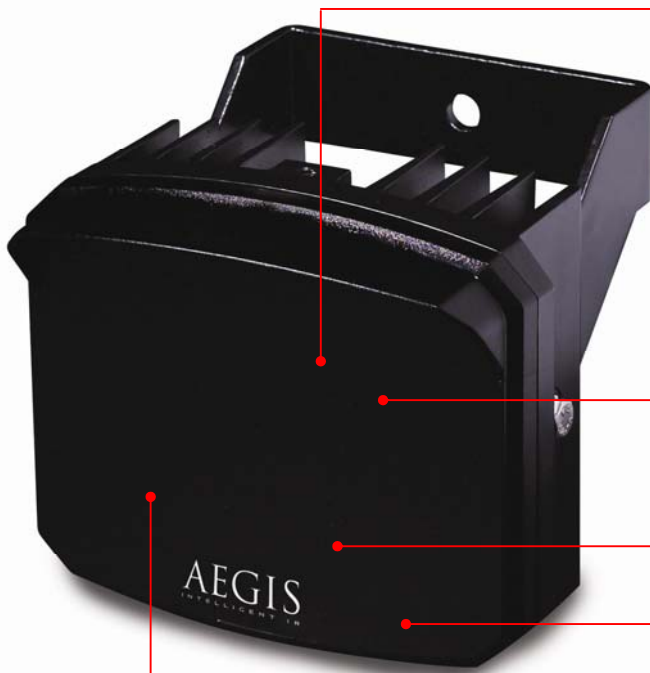


"AEGIS" meaning protected by. The concept of being under someone's AEGIS means to do something under the protection of a powerful, intelligent source.

Performance Benefits

- Controlled by Constant Light™ (patent pending) technology which automatically compensates for LED degradation, a natural occurrence with all LED based illuminators
- Powered by Black Diamond™ IR for High-Fidelity™ Even-Illumination for up to 220m [720ft] of superior Night Vision images
- Micro-Refraction Lens technology enables wide beam patterns 60°, 95°, 120°, delivering the most complete area coverage of any IR illuminator
- 12 VDC / 24 VAC Power-On-Board™ - no separate PSU required
- High efficiency SMT LEDs for improved thermal management and increased LED life

Key Attributes



Controlled by Constant Light™ technology

- Maintains a constant level of infrared performance throughout the life of the illuminator
- Maintains a constant level of infrared performance when operated at varying ambient temperatures
- Continues to deliver the specified range for the life of the illuminator
- Reduces initial input power consumption required for a greener, more environmentally friendly solution

Powered by Black Diamond™ IR

- Award winning Black Diamond™ IR eliminates hotspots in the foreground and underexposed backgrounds
- Delivers High-Fidelity™ Even-Illumination for up to 220m [720ft] of superior Night Vision images
- Reduced network bandwidth requirement
- Reduced image lag and dropped frames

12 VDC / 24 VAC Power-On-Board™

- No separate PSU required
- Reduces installation time and costs
- Enables easier, more aesthetically pleasing installs
- Energy efficient operation
- Easy connection of remote telemetry and camera day/night switching

5 Year Warranty

- AEGIS IR delivers guaranteed long life and unsurpassed night-time performance

High Efficiency Surface Mount LEDs

- Cool operation with improved optical output efficiency and thermal management
- Reduced power input and consumption for a greener, more environmentally friendly solution and lower operating costs for the end user

Performance Images



Conventional IR illuminator, hotspot in foreground and poorly lit background



Black Diamond™ IR delivers High-Fidelity™ Even- Illumination across the entire scene

Black Diamond™ IR which powers AEGIS illuminators is precision engineered for High-Fidelity™ Even-Illumination, delivering outstanding night-time image quality and ensuring 24/7 effectiveness of video analytics, megapixel surveillance and other critical CCTV applications



AEGIS UFLED Integration

AEGIS UFLED provides important imaging capabilities for integrated security systems.



AEGIS UFLED with Fixed Camera Systems

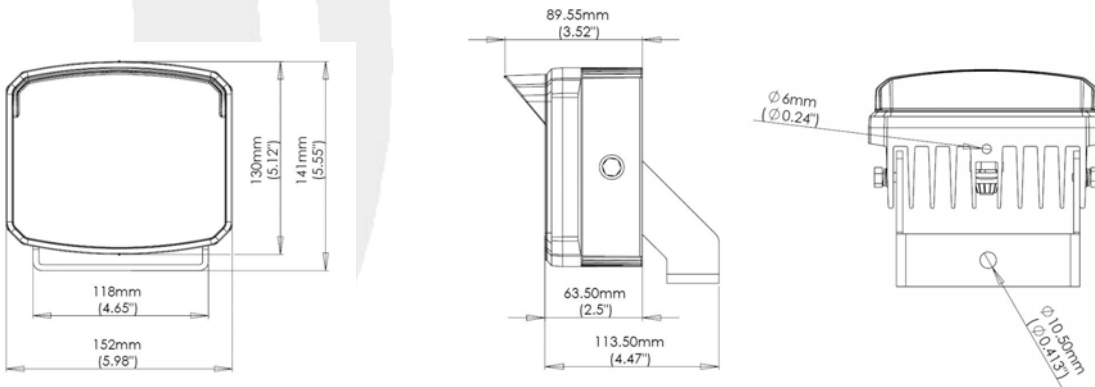
Combine AEGIS UFLED with Extreme CCTV's EX18 housing, FMX800 Day/Night camera and wall mount brackets. Integrate with video analytics for automated video-based intrusion detection.

AEGIS UFLED with Speed Domes

Combine AEGIS with Extreme CCTV's PX100 speed dome for uncompromised night-time pan-tilt zoom surveillance.



Dimensions



Part Numbers

Model	UFLED	10	8	BD
AEGIS UFLED				
Beam Pattern				
10:	10°			
20:	20°			
30:	30°			
60:	60°			
95:	95°			
120:	120°			
Wavelength				
850:	850nm			

Specifications

AEGIS UFLED INFRARED ILLUMINATOR			
Illuminator			
LEDs	High efficiency LED array with current limited integral power circuit		
Number of LEDs	18 high efficiency surface mount LEDs		
Beam Patterns	10°, 20°, 30°, 60°, 95°, 120°		
Wavelength	850nm		
Warranty	5 year operational life guaranteed, expected 10 years.		
Consumption	26 – 45W (45W max power) Power consumption will vary over time due to the intelligent IR's optical output control which compensates for LED degradation and ambient temperature fluctuations		
Input Voltage	12 – 40 VDC or 24 VAC +/- 30%		
Temperature Range	+50° [+122°F] to -50° [-58°F] max on full power		
Environmental	IP67		
Construction	Robust, aluminium construction with acrylic front fascia		
Weight	1.4Kg [3.1lbs]		
Dimensions	152mm x 188mm x 115mm [6.0" x 7.4" x 4.5"]		
Colour	Black anodised heat sink with black front fascia		
Power Cable	Supplied with IP67 power connector and 5m [16ft] of connecting lead. Optional 10m [32ft] and 15m [59ft] lengths available.		
Bracket	Wall mount u-bracket supplied		
PERFORMANCE RANGES			
Model	Beam Pattern	Achievable Distance	HOV
UFLED10-8BD	10°	220m / 720ft*	40m / 125ft
UFLED20-8BD	20°	150m / 490ft*	55m / 175ft
UFLED30-8BD	30°	110m / 360ft*	60m / 195ft
UFLED60-8BD	60°	70m / 230ft*	80m / 265ft
UFLED95-8BD	95°	50m / 165ft*	110m / 300ft
UFLED120-8BD	120°	35m / 115ft*	120m / 400ft
OPTIONAL ACCESSORIES (order separately)			
UFLED-CI-5M	5m [16.4ft] remote telemetry or day/night switching cable		
UFLED-CL-1M	1m [3.3ft] telemetry link cable		

* Actual illumination distance achieved is dependent on camera and lens characteristics. Derwent's Night Vision laboratories use Extreme CCTV's FSX800 ½" format camera and IR-corrected lens at F1.4, achieving a minimum SN ratio of 20dB.

Dealer / Distributor



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